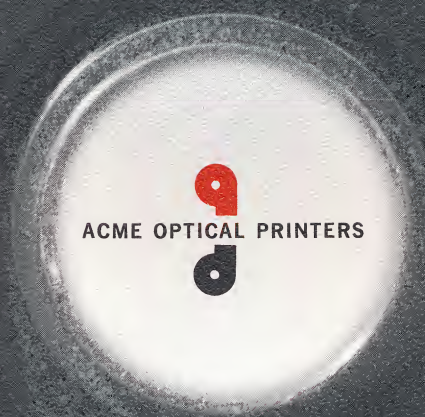




PRODUCERS SERVICE COMPANY *MANUFACTURERS OF THE ACME OPTICAL PRINTERS*

1200 GRAND CENTRAL AVENUE • GLENDALE, CALIFORNIA 91201 / 245-8424 • cable address PRODUSERV

DIVISION OF GREYHOUND LEASING & FINANCIAL CORPORATION



OUR NEW HOME

providing much larger facilities for expanding operations



There is always one best – a tribute to its producers, a recurrent delight to those privileged to enjoy it.

Rightly proud of our position, we must also be deeply aware of our responsibility.

Every unit of our classic product must be the essence of perfection in all and every detail. It must stand comparison to the utmost, if necessary, and yet by itself should be so completely satisfying that the suggestion of making any comparison is never broached.

WHY IT IS BETTER TO LEASE OUR EQUIPMENT

BECAUSE...

We will EXCHANGE it

We will ADD TO it

We will SUBTRACT FROM it

We will MODERNIZE it

We will MODIFY it

We will SERVICE it

We will MAINTAIN it

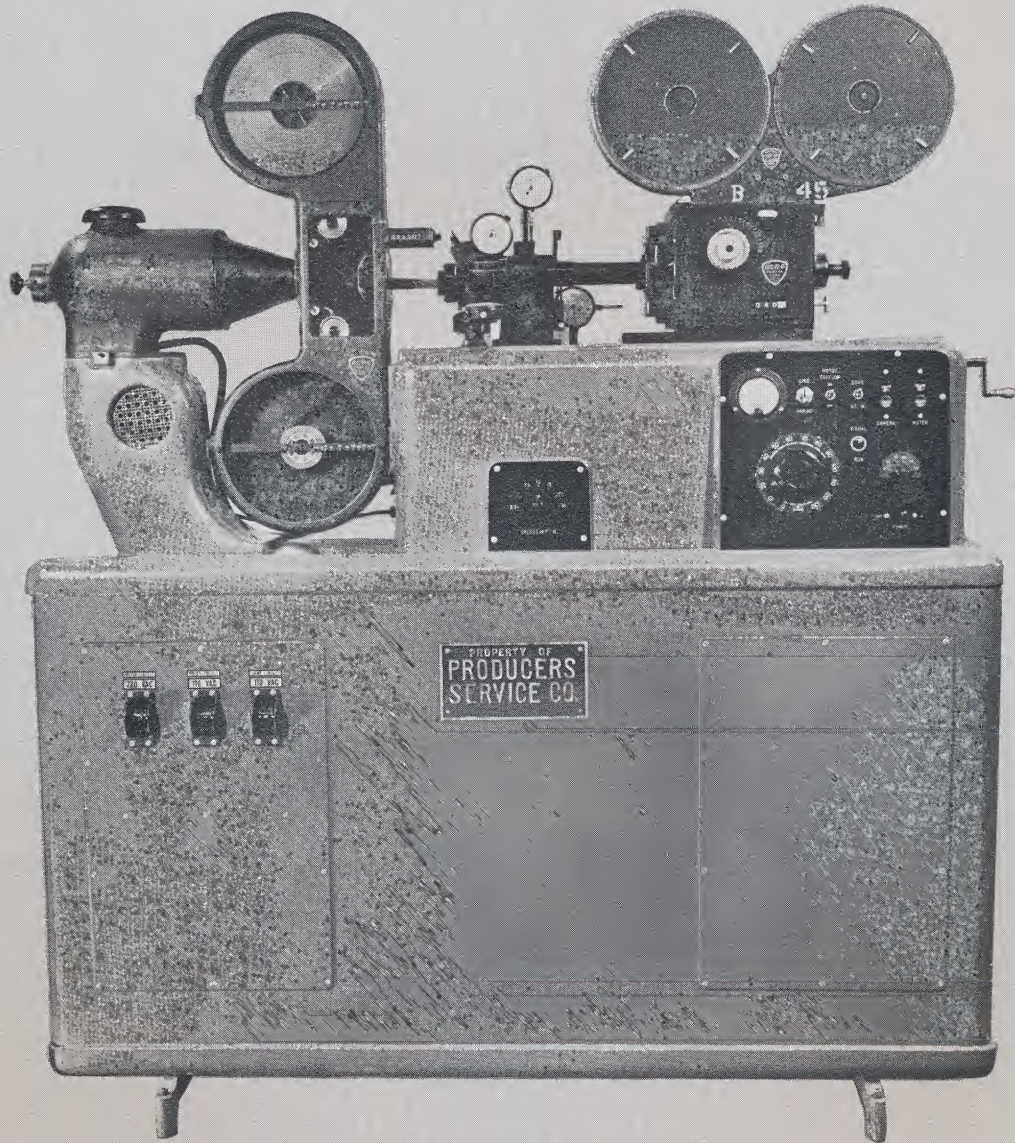
YOU can TERMINATE it

When we lease a printer to you, you acquire a partner with a staff of trained technicians to serve you and better than half a million dollars in spare parts, components and replacement units to back you.

You become part of a company that is dedicated to your interests and welfare and through whom you will substantially benefit by its constant research, development and progress.

Producers Service Co. is a guarantee of your ability to produce and to perform best.

Acme Optical Printer Model



Acme Optical Printer Model 104

MOVEMENTS: Both camera and projector use the Acme movements in all film sizes. These film movements are equipped with spring loaded pressure plates and constructed so as to take 1, 2, or 3 films without adjusting the cam (35mm only). The pressure plates are made of stainless steel and then hard chrome plated to protect against corrosion and assure a scratch-free surface. All registration points are lapped to within .0001 of an inch. For precision alignment, a removable cover on the pressure plate for viewing through the back of the camera movement can be provided.

CAMERA: The camera (35mm and/or 16mm) has a 170° dissolving shutter with an automatic fade, fading in or out in 16, 32, 48, 64, 96, and 128 frames or 8, 16, 24, 32, 48, and 64 frames, plus an automatic take-up, and an anti-buckle switch that operates in forward or reverse. The camera has a reflex viewer with registration pins to coincide with the registration pins in the movement. Film can be registered on the viewer pins for viewing through into the projector so as to get a composite view. There is a photo cell that attaches to the viewer to read light levels. The camera has a counter to record frames (or) feet and frames (the latter for 35mm only).

PROJECTOR: The projector (35mm and/or 16mm) will hold one 1000 foot roll or two 200 foot rolls and has automatic take-up, either forward or reverse. A 100 foot Tri-pack adaptation can also be provided.

OPTIONAL 16/35MM INTERCHANGEABLE CAMERA and PROJECTOR COMPONENTS

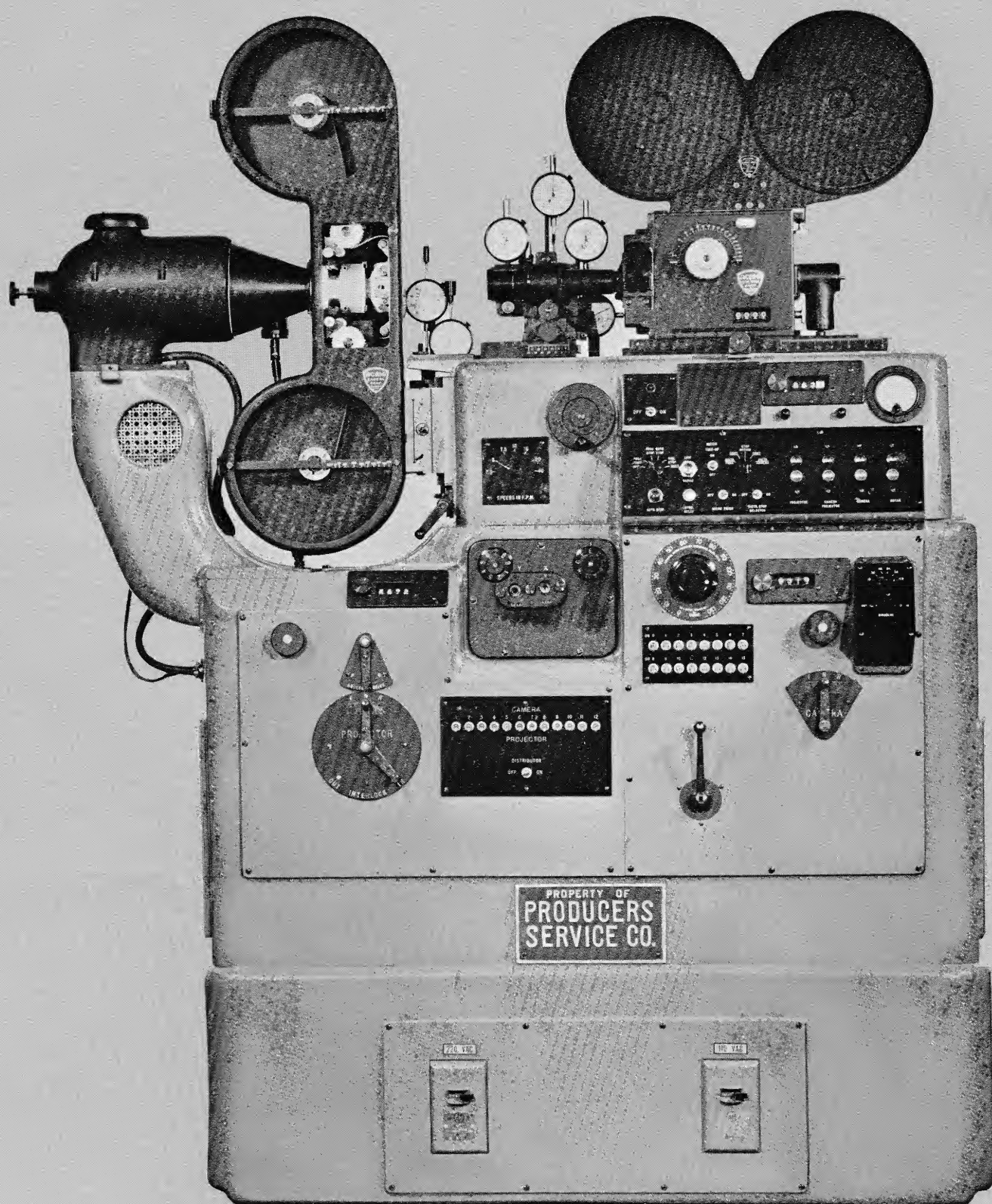
The Acme Cameras and Projectors will accept 16/35mm, or 16/8mm components. The camera and projector movements and sprocket assemblies as well as each special camera viewer are easily and quickly interchanged, retaining all precise tolerances and registration.

LAMP HOUSE: This lamp was especially designed for color printing. The condensers are of a design to project an oval spot rather than round, thus utilizing more of the available light to fill the rectangular aperture. Both lamp and spherical mirror are adjustable to assure utmost efficiency in positioning the focal plane of the filament and its reflection. There is a heat absorbing filter before the first condenser. The lamp has a built-in blower wired in parallel to the bulb. The lamp takes standard pre-focus T-10 or T-12, C13D bulbs. The printer has a built-in voltmeter and variable transformer to regulate the voltage to the printing lamp.

LENS: The 103mm F2.8 Printing Ektar Lens is especially designed for 1-to-1 copy and effects work in black and white and/or color. The 90mm F3.5 Printing Ektar Lens is especially designed for blowup or reduction work in black and white and/or color. The lens mount has dial indicators to indicate the moves horizontally, vertically and longitudinally in .001 of an inch.

DRIVE: The printer is driven by a 1/3 H.P. motor and is controlled by a constant torque unit to provide speeds of 2 1/2 - 5 - 7 1/2 - 10 - 15 - 20 and 40 ft. per min.

STOP MOTION: There is a selector switch to select either continuous or stop motion. When in stop motion, the heads advance one frame each time the stop motion button is pressed. There is a rapid disconnecting clutch on both the camera and projector so that it is possible to skip frames in the projector or photograph the same frame in the projector any number of times.



MOVEMENTS: Both camera and projector use the Acme movements in all film sizes. These film movements are equipped with spring loaded pressure plates and constructed so as to take 1, 2, or 3 films without adjusting the cam (35mm only). The pressure plates are made of stainless steel and then hard chrome plated to protect against corrosion and assure a scratch-free surface. All registration points are lapped to within .0001 of an inch. For precision alignment, a removable cover on the pressure plate for viewing through the back of the camera movement can be provided.

CAMERA: The camera (16mm and/or 35mm) is especially designed for optical printing. It has a 170° dissolving shutter, with an automatic fade, fading in or out in 16, 32, 48, 64, 96, and 128 frames or 8, 16, 24, 32, 48, and 64 frames, plus an automatic take-up and anti-buckle switch that operates in forward or reverse. The camera has a reflex viewer with registration pins to coincide with the registration pins in the movement. Film can be registered on the viewer pins for viewing through into the projector so as to get a composite view. There is a photo cell that attaches to the viewer to read light levels. The camera has a counter to record frames (or) feet and frames (the latter for 35mm only), and the printer has a foot-and-frame counter which is synchronized with the automatic projector start-and-stop feature.

PROJECTOR: The projector (16mm and/or 35mm) will hold one 1000 ft. roll or two 200 ft. rolls and has automatic take-up at all times, either forward or reverse. Projector can be moved horizontally or vertically and has dial indicators to indicate all moves in .001 of an inch. The printer has a forward and reverse reset frame counter for the projector. A 100 foot Tri-pack adaptation can also be provided.

OPTIONAL 16/35MM INTERCHANGEABLE CAMERA and PROJECTOR COMPONENTS

The Acme Cameras and Projectors will accept 16/35mm, or 16/8mm components. The camera and projector movements and sprocket assemblies as well as each special camera viewer are easily and quickly interchanged, retaining all precise tolerances and registration.

LAMP HOUSE: This lamp was especially designed for color printing. The condensers are of a special design to project an oval spot rather than round, thus utilizing more of the available light to fill the rectangular aperture. Both lamp and spherical mirror are adjustable to assure utmost efficiency in positioning the focal plane of the filament and its reflection. There is a heat-absorbing filter before the first condenser. The lamp has a built-in blower wired in parallel to the bulb. The lamp takes standard pre-focus T-10 or T-12, C13D bulbs. The printer has a built-in voltmeter and variable transformer to regulate the voltage to the printing lamp.

LENS: The 103mm F2.8 Printing Ektar Lens is especially designed for 1-to-1 copy and effects work in black and white and/or color. The 90mm F3.5 Printing Ektar Lens is designed for blowup or reduction work in black and white and/or color. The lens mount has dial indicators to indicate the moves horizontally, vertically, and longitudinally in .001 of an inch. The focus and f value automatically corrects itself as the camera is moved forward or reverse, thus keeping the film equally exposed and in focus at all times during a zoom. The lens can be moved in or out of focus at any time to create an out-of-focus blow-up. The camera can be disconnected from the automatic follow focus at any time by merely pressing a button, and moved independently, leaving the lens in position to create out-of-focus effects without enlarging the image.

DRIVE: The printer is driven by a ½ H.P. motor and is controlled by a constant torque unit to provide speeds of 2½-5-7½-10-15-20 and 40 ft. per min. Both the camera and projector drive have forward, neutral, and reverse selectors. In the neutral position, both camera and projector can be manually advanced to facilitate threading. The printer has a resettable daily footage counter, showing the accumulated total footage for one day.

STOP MOTION AND SKIP FRAME: There are 16 selective switches, indicating frames from 1 to 16. By using this system, you may predeterminedly start or stop the projector, stop the camera, or stop both the projector and camera at any predetermined frame.

There is another series of selector switches for skip-frame printing. By setting the switches, it is possible to set the machine to run automatically on any combination to eliminate every second, third, fourth, and up to twelve frames on either the projector or camera, or to print almost any combination.

There is a selector switch to select either (1) Stop Motion, (2) Continuous Motion, and (3) Projector Distributor, Camera Distributor, and Projector-and-Camera Distributor.

Stop Motion: When pressing the start button, the camera and projector heads will advance one frame at a time and will repeat as long as the start button is held.

**STOP MOTION AND
SKIP FRAME:**

Continuous Motion: Upon pressing the start button, the camera and projector heads will start and keep running until the stop button is pressed.

Projector Distributor: These positions operate in connection with the automatic skip framing feature by pressing the camera-projector button. The projector will skip any pre-selected number of frames while the camera runs continuous.

Camera Distributor: These positions operate in connection with the automatic skip framing feature by pressing the camera-projector button. The camera will skip any pre-selected number of frames while the projector runs continuous.

Both the camera and the projector can be set to skip frame alternately in any pre-selected sequence desired.

There is a sync switch to synchronize the projector in the following positions: 90° ahead, with or 90° behind the camera. It is possible to mechanically interlock the camera and projector by merely shifting a lever.

GENERAL:

The rewind is electrically controlled so that when the lever is moved in either direction the projector will go either forward or reverse. The further the lever is moved, the faster the speed (up to 60 feet per minute).

By looking through the view finder of the camera and operating the rewind lever immediately below, it is possible to use the view finder of the camera as a viewing machine similar to a Moviola, viewing the scenes as they go through the projector until the desired scene is in the aperture.

The accessory drive unit provides a selection of 83 different speeds to drive accessories or the lens mount and insures even motion during an effect.

SPECIAL FEATURE:

Wipe-Over Device: This is a detachable unit, capable of wiping in any direction at any practical speed and with any softness of edge. Has provision to mount any kind of wipe blade, as well as other types of trick attachments.

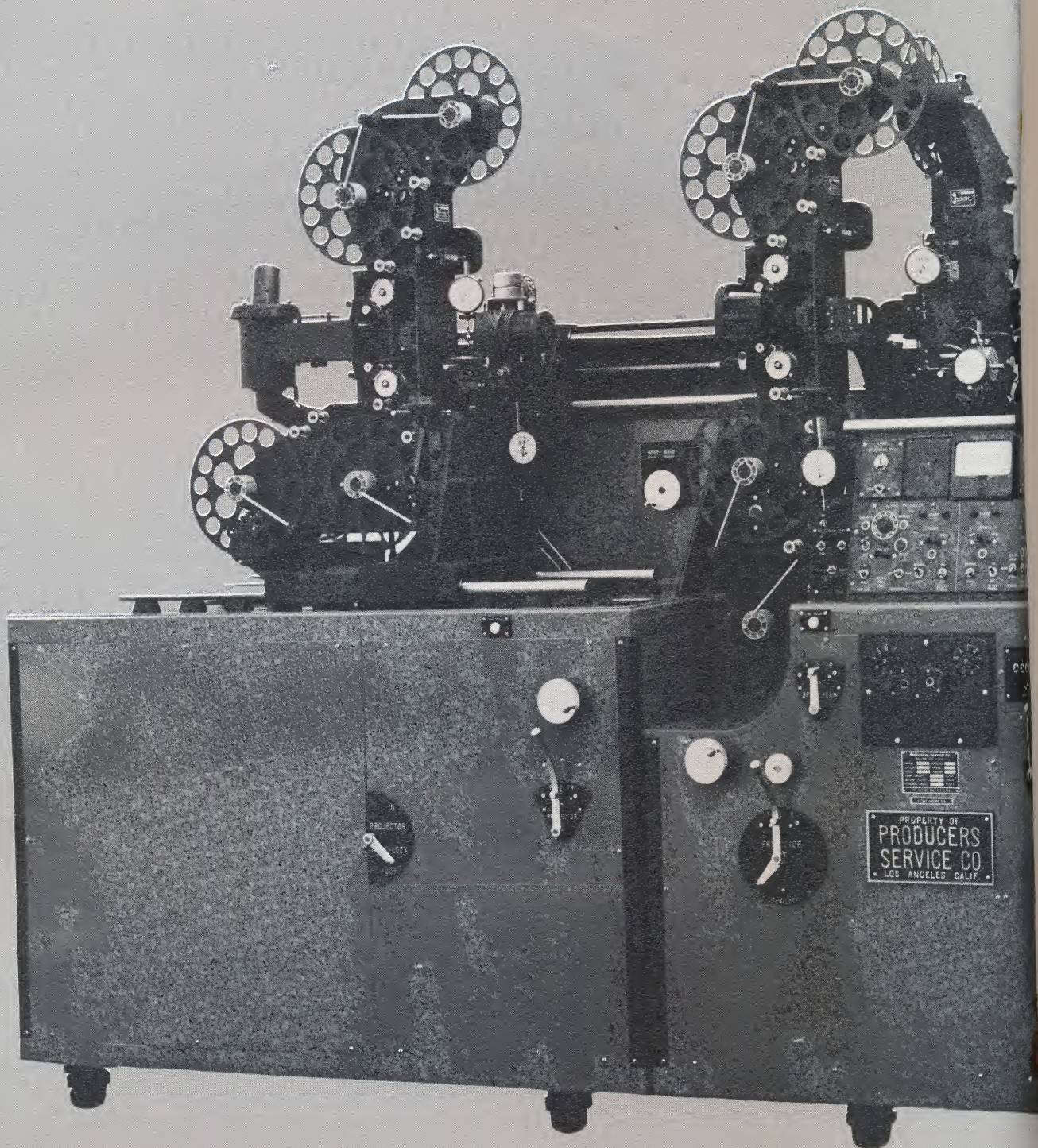
ACCESSORIES:

Flip Over: This device will flip a single frame vertically or horizontally on the center line of the frame.

Optical Spin Attachment: This can be placed between the lens and the projector. With this attachment, it is possible to make a spin or rocking shot without moving either the camera or projector. This same attachment can be used for angular alignment between the camera and projector.

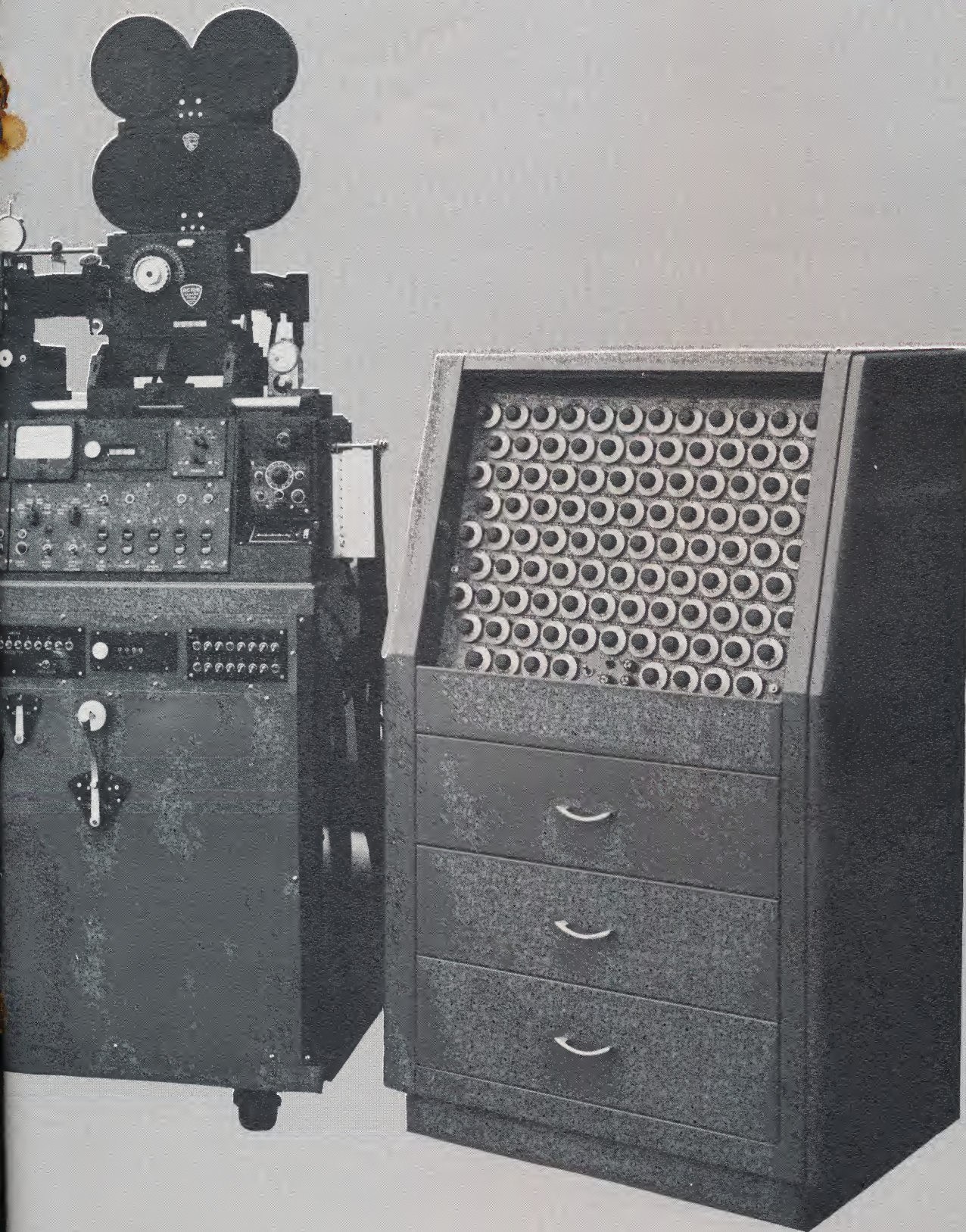
Image Spin: This device fits in the place of the projector movement and rotates a single frame on the center of the aperture.

Matting Device: This attachment locates in front of the projector and allows the operator to matte off any portion of the aperture, either parallel with the aperture or any desired angle.



102

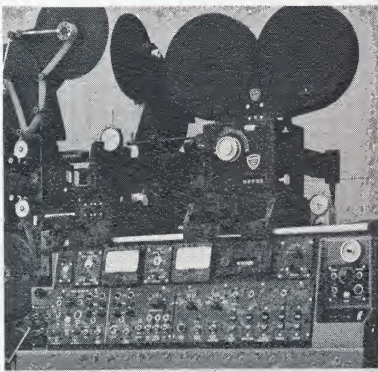
Acme Triple Head Special Effects Optical Printer Model



102

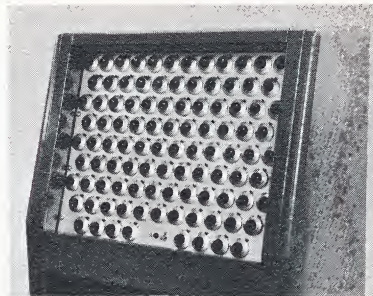
This printer can be obtained with or without the Aerial Image and/or Split Beam Projectors. The printer is equipped with all of the features and components described under the Acme Model #103 Printer in addition to the following.

THE AUTOMATIC FOLLOW FOCUS



"The Automatic Follow Focus ... is activated by an Electronic Analog Computer composed of solid state elements ..."

for both the camera and Aerial Image (Range 5-1 reduction through 1-1 to 4-1 enlargement) is activated by an Electronic Analog Computer composed of solid state elements. The Electro-Mechanical Servo system, used in conjunction with the Electronic Computer, assures the ultimate in precise repeatability and accuracy within $\pm .001$ of an inch throughout the entire zoom range. There are approximately 100 individually calibrated fine adjusting points covering the complete travel of the Camera and Lens that provides precise focusing for any variation of effects. The system is driven by variable speed motor; however, Selsyn Motor drives are easily adapted.

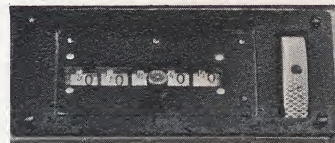
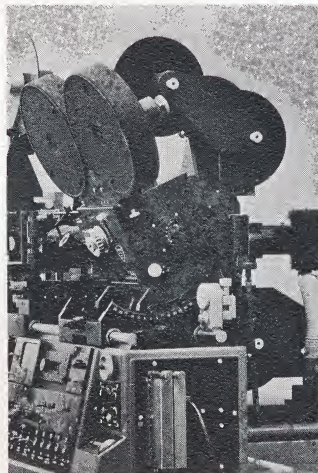


"There are approximately 100 individually calibrated fine adjusting points ..."



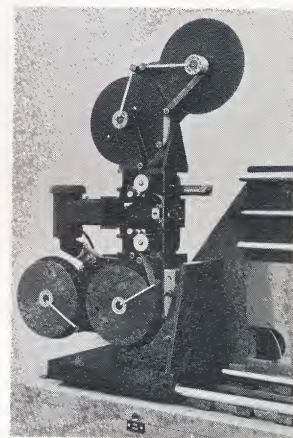
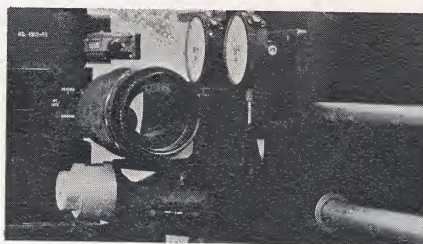
"The system is driven by variable speed motor ..."

THE CAMERA will tilt about a center parallel to the optical axis 35° each side of center and will have a predetermining Frame Counter which will stop the camera at any predetermined frame up to nine thousand, nine hundred and ninety nine frames.



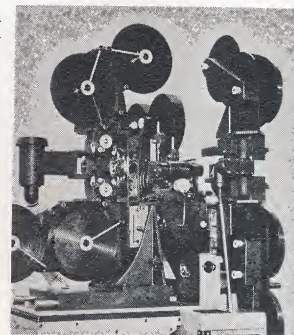
The projectors will all have 1000 foot Bi-pak film capacity. **THE PROJECTORS**

The Aerial Image Projector will have the same automatic follow focus as the camera with the full range of 5-1 reduction to 4-1 enlargement and will be adjustable horizontally and vertically. The Aerial Image Lens will be positioned electrically horizontally, vertically and longitudinally.



The Split Beam Projector will be adjustable to and from the prism. The split beam lens will be positioned electrically horizontally, vertically and longitudinally.

Controls for all projectors are located within easy reach of the operator when viewing through the camera.



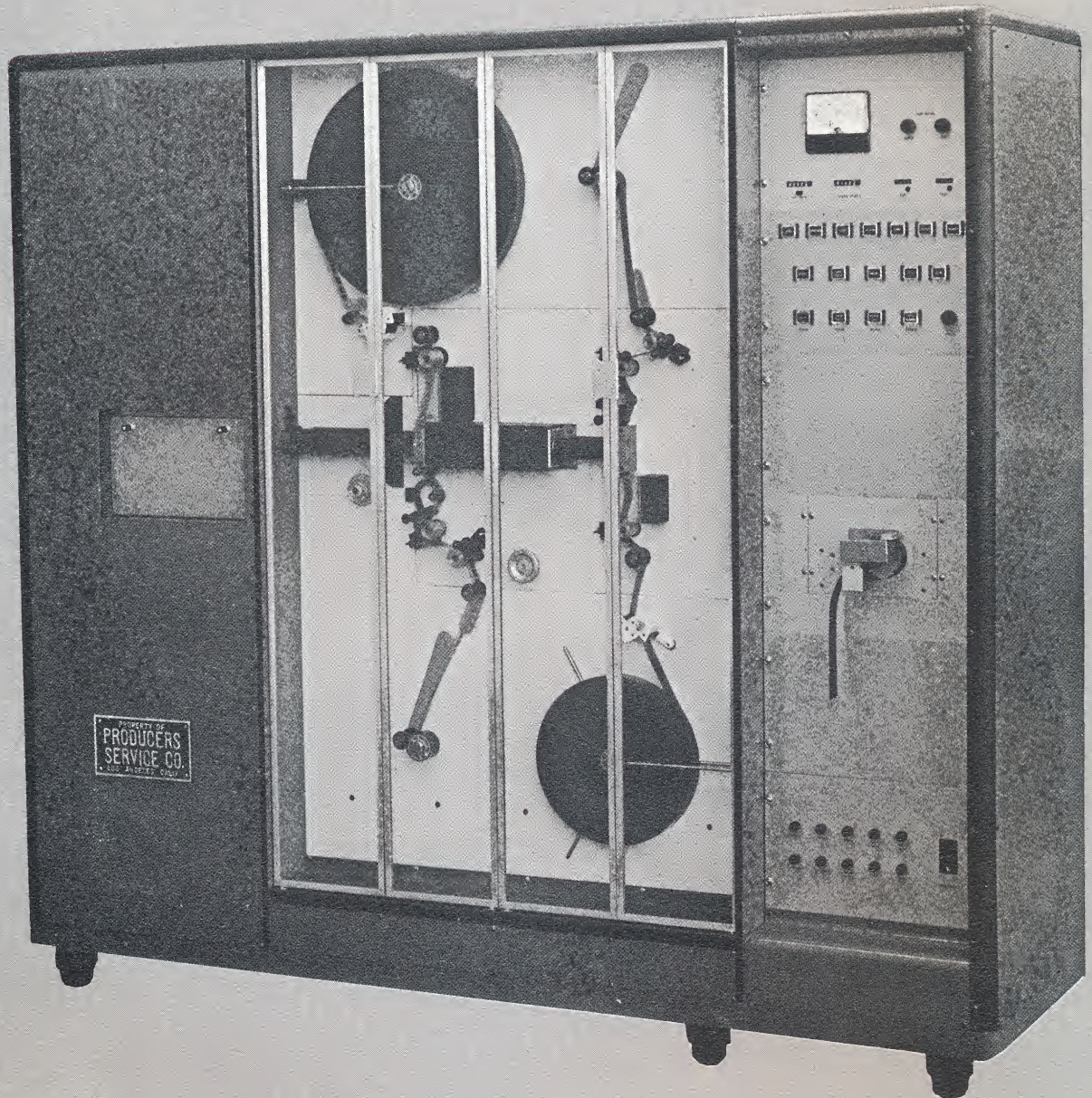
The lamphouse is attached and moves with the projector. The condensers are of a special design to project a round spot rather than oval. The lamp is adjustable to properly position the focal plane of the filament. There is a heat-absorbing filter before the first condenser. The lamp has a blower connected which is wired in parallel to the bulb. The lamphouse takes standard Tru-Focus C13D bulbs. The printer has a built-in voltage stabilizer, voltmeter and variable transformer to regulate the voltage to the printing lamp.

THE LAMPHOUSE



The printer is driven by a 1 H.P. motor and is controlled by a constant torque unit to provide speeds of 2½-5-7½-10-15-20 and 40 ft. per minute. The camera and all of the projector drives have forward, neutral, and reverse selectors. In the neutral position, the camera and all of the projectors can be manually advanced to facilitate threading. The printer has a resettable daily footage counter, showing the accumulated total footage for one day.

DRIVE



Acme High-Speed Step Reduction Printer Model

101

The Model 101 Printer is a high-speed optical step reduction release printer. It is a panel-type machine for darkroom operation, capable of printing in color at 200 feet per minute on the 35mm side.

The Model 101 is the latest in sophisticated design, incorporating time-saving and automatic electronic solid state features and safety devices, an automatic dissolve mechanism, a Bell & Howell additive lamphouse, provisions for the acceptance of a sound recording module and an extremely simple threading and starting system requiring little training.

The key feature of this printer, aside from its unusual speed in step printing, is its radically new type of movement which is unique and beautifully simple, providing a means by which the original negative can be used. The intermittent motion of the film is produced by an impeller and the vacuum box. The impeller and film drive sprockets all operate at constant velocity. As a result, acceleration and jerk problems encountered in other type movements are eliminated.

Each film has its own movement gearbox, powered by a common shaft. Both movement gearboxes are completely enclosed and oil sealed. They are adjustable in position and easily moveable. When necessary, each entire movement can be taken out and replaced.

101

THE LAMPHOUSE AND READER

The lamphouse supplied with the printer is the Bell & Howell type 6009K additive system, together with the Tally solid state high-speed reader.

A 1200-watt incandescent bulb, completely adjustable, is used as the light source.

As in the standard Bell & Howell Model 6009 lamphouse, the white light is split into three primary colors by a set of dichroic mirrors.

Each color intensity is then controlled independently by a light valve.

After passing through the light valves, the primary colors are recombined and projected through a set of relay lenses to the printing aperture.

The intensity of each color can be set to 73 different values by means of the light valves, in increments of .025 log E. Fifty of these values can be set automatically by means of the reader. These values can be shifted up or down manually and independent of each other by 24 points, in the same increment of .025 log E. Thus, the automatic setting covers a range of 1.225 log E and, together with the manual, a range of over 1.80 log E.

The time of an average light change of about 5 steps takes from two to three milliseconds, while a full change of 50 steps takes about 8 milliseconds. Therefore, a full light change at the printing speed of 200 feet per minute can be made between frames. The recycle time of the reader and lamphouse is about 125 milliseconds, thus a light change can be made about every six frames.

THE R. F. CUEING AND TIME DELAY

The printer is equipped with a radio frequency (R. F.) cue sensor. The presence of a thin metal tab on the film when moving past the sensor causes the detector circuit to emit a pulse, which, in turn, triggers the reader.

The detector is mounted a distance corresponding to 22 frames before the aperture. In conjunction with an adjustable time delay unit it is possible to print any film which may have the cue tabs at the frame which is to be cued or up to a distance of 22 frames away from the frame to be cued.

A distance of 22 frames corresponds to about 400 milliseconds, at a printing speed of 200 feet per minute. Since color changes may be made every .125 milliseconds, the pulses from the cue detector are stored in an electronic memory and are released in a delayed sequential order.

THE DISSOLVE SHUTTER

The shutter is the standard Producers Service Co.'s logarithmic dissolve shutter and is located between the lamphouse and the 35mm aperture.

The opening, closing, and dissolve speed are controlled by the reader through holes punched in a special position of the same tape used for the color control. The six possible dissolve speeds are 16, 24, 32, 48, 64 and 96 frames.

Opening and closing of the shutter can also be accomplished manually by a knob located to the lower left of the shutter. This feature is used primarily to set the shutter in the proper position, depending on the tape program, before starting to print.

FILM CLEANING

Both the negative and raw stock pass through a film cleaning device (Air Squeegee) before entering the aperture. Inside the air squeegee a high-pressure stream of air hits both sides of the film, dislodging dust particles from the film. A vacuum continuously sucks away the dislodged particles.

Additionally, the entire printing cabinet is enclosed by plate glass doors. The purpose of the doors is twofold: (1) To reduce the noise from the film movement, and (2) to keep the film clean. Inside the cabinet the pressure is always slightly above atmospheric pressure due to filtered air being pumped into the cabinet. The result is that clean air continuously surrounds the film.

THE TAKE-UPS

When the printer is started, the film comes up to full printing speed in three feet or less. In order to avoid developing slack at the take-up, the take-ups are driven by servo motors having a high torque to inertia ratio. As the film roll increases in size, the torque supplied by the motor is varied by a transformer coupled to the tightwind arm.

The design of the take-ups is such that the motor slowly takes up any slack produced in the film during threading. After all slack is taken out of the film, the motor is automatically switched to the full torque necessary for film take-up. Capacity of the take-up and feed is 3000 feet, both on the negative and raw stock sides.

Two types of loop facilities may be used with the printer. One type is provided with the machine and is capable of accepting a four-foot loop. Also, provisions are made for the printer to accommodate a standard loop cabinet. This cabinet may be located to the left of the printer with the film threaded through the lamphouse section of the printer. An automatic threading device is built into the printer for this purpose.

THE LOOP FACILITY

The lamp voltage is controlled through a SCR (Silicon Controlled Rectifier) circuit which also incorporates a voltage regulator. The circuit eliminates both the external voltage regular and variac. A standard feature is an expanded scale voltmeter with a range of 60 to 120 volts.

LAMP CONTROL

The new film movement principle required the development of a new type of film framing device. On the negative side of the printer, the sprockets above the vacuum box have six rectangular lucite inserts. These inserts are illuminated from the inside of the sprocket by three miniature lamps.

LOOP SETTER AND FRAMING SPROCKET

The result is that six thin illuminated lines appear on the circumference of the body of the sprocket, which correspond to the frame lines of the film. For framing, the film frame line is simply placed on an illuminated line, and the keeper is closed.

The length of the film between the take-up and the feed sprocket is critical. For this reason a loop setter is provided just above the eccentric roller. After having set the film at its proper frame line, on the feed sprocket, the loop setter is flipped into position. Subsequently, the film is then placed against the take-up sprocket, the keeper is closed, and the loop setter is removed.

While printing or framing the film, the negative can be observed through a viewer. The fringe light of the lens is used for viewing; thus no beam splitter or prism is used in the optic path.

THE VIEWER

To prevent fogging of the raw stock when the printer is not in operation, a douser, or light shield, is automatically inserted between the 35mm and the printing lens every time the printer is stopped. When the printer is started again, the douser automatically retracts.

DOUSER

All controls and indicator lights are located on the control console. A set of red indicator lights labeled "CHECK" indicates any malfunction of the printer. The printer will not start, or will automatically stop, in the event that one of these lights should indicate malfunctions. When illuminated they indicate the following:

THE CONTROL CONSOLE AND ITS CHECKING DEVICES

LOOP: The loop setter has not been removed.

SQUEEGEE: One or both of the air squeegees are not closed.

SLACK: There is either slack or a break in the film.

VACUUM: The film movement vacuum is either too low or too high.

LAMP: The lamp is not turned on or is burned out.

KEEPERS: The keepers are not closed.

READER: The reader or tape is not ready.

The controls necessary for printer operation and their functions are as follows:

POWER: Turns on the power to the printer, places the lamp on 30 volts standby, and illuminates the control panel.

LAMP TEST: Brings the lamp up to full voltage for adjusting purpose.

READY: Turns on all components that need to be turned on during printing, such as the vacuum, take-ups, main drive motor, etc.

START-STOP: Starts and stops printing.

LEASE SCHEDULES AND BASIC RENTAL RATES FOR ACME OPTICAL PRINTERS

Model #101

- *7-year lease @ \$200.00 per week—\$ 2,600.00 quarterly in advance
- †5-year lease @ \$230.00 per week—\$ 5,980.00 semi-annually in advance
- 3-year lease @ \$270.00 per week—\$14,040.00 annually in advance
- 1-year lease @ \$300.00 per week—\$15,600.00 annually in advance

Model #102

- *7-year lease @ \$285.00 per week—\$ 3,705.00 quarterly in advance
- †5-year lease @ \$327.75 per week—\$ 8,521.50 semi-annually in advance
- 3-year lease @ \$384.75 per week—\$20,007.00 annually in advance
- 1-year lease @ \$427.50 per week—\$22,230.00 annually in advance

Model #103

- *7-year lease @ \$125.00 per week—\$1,625.00 quarterly in advance
- †5-year lease @ \$143.75 per week—\$3,737.50 semi-annually in advance
- 3-year lease @ \$168.75 per week—\$8,775.00 annually in advance
- 1-year lease @ \$187.50 per week—\$9,750.00 annually in advance

Model #104

- *7-year lease @ \$ 75.00 per week—\$ 975.00 quarterly in advance
- †5-year lease @ \$ 86.25 per week—\$2,242.50 semi-annually in advance
- 3-year lease @ \$101.25 per week—\$5,265.00 annually in advance
- 1-year lease @ \$112.50 per week—\$5,850.00 annually in advance

**Limited to the United States.*

†Annually in advance outside the U.S.

Prices for specially designed equipment given upon request.

All rates are on a weekly basis.

RENTAL EQUIPMENT	WEEK	YEAR	3 YEARS	5 YEARS	7 YEARS
CAMERAS					
35mm Reflex Camera: w/standard movement, foot & frame counter; automatic dissolve 16, 32, 48, 64, 96 and 128 frames; automatic magazine take-up (in place of belt drive); 1000' magazine for auto take-up	\$ 80.00	\$30.00	\$27.00	\$23.00	\$20.00
16mm Reflex Camera: w/standard movement; frame counter; automatic dissolve 16, 32, 48, 64, 96 and 128 frames; automatic magazine take-up (in place of belt drive); 400' magazine for auto take-up	80.00	30.00	27.00	23.00	20.00
2 Perforation/4 Perforation Combination Reflex Camera: w/35mm standard camera movement; automatic dissolve 16, 32, 48, 64, 96 and 128 frames; automatic magazine take-up (in place of belt drive); two 1000' 35mm magazines; 35mm reflex viewer eyepiece with registration pins and 2 perf./4 perf. reticle; 35mm sprocket assembly; 2 perforation sprocket assembly; special hardwood case for all camera components; ADD TO BASIC LEASE PRICE OF THE PRINTER		22.25	20.00	17.00	14.75
When leased as a separate unit	139.00	52.25	47.00	40.00	34.75
16/35mm Combination Reflex Camera: w/35mm standard camera movement; 16mm standard camera movement; automatic dissolve 16, 32, 48, 64, 96 and 128 frames; All Purpose Motor Bi-pack Take-up; 1000' 35mm magazine; 1200' 16mm magazine; adaptor plate; 35mm reflex viewer eyepiece w/registration pins; 16mm reflex viewer eyepiece w/registration pins; 35mm sprocket assembly; 16mm sprocket assembly; special hardwood case for all camera components; ADD TO BASIC LEASE PRICE OF THE PRINTER		36.75	33.00	28.25	24.50
When leased as a separate unit	178.00	66.75	60.00	51.25	44.50
16/8mm Combination Reflex Camera: w/16mm standard camera movement; 8mm standard camera movement; automatic dissolve 16, 32, 48, 64, 96 and 128 frames; automatic magazine take-up; two 1200' 16mm magazines; 16mm reflex viewer eyepiece w/registration pins; 8mm reflex viewer eyepiece w/registration pins; 16mm sprocket assembly; 8mm sprocket assembly; special hardwood case for all camera components; ADD TO BASIC LEASE PRICE OF THE PRINTER		35.00	31.50	26.75	23.25
When leased as a separate unit	173.00	65.00	58.50	49.75	43.25
16mm/Super 8mm Combination Reflex Camera: w/16mm camera movement; Super 8mm camera movement; automatic dissolve 16, 32, 48, 96 and 128 frames; automatic magazine take-up; two 1200' 16mm magazines; 16mm reflex viewer eyepiece w/registration pins; Super 8mm reflex viewer eyepiece w/registration pins; 16mm sprocket assembly; Super 8mm sprocket assembly; special hardwood case for all camera components; ADD TO BASIC LEASE PRICE OF THE PRINTER		42.00	38.00	32.25	28.00
When leased as a separate unit	192.00	72.00	65.00	55.25	48.00

Prices are subject to change without notice.

Effective OCTOBER 1, 1966

All rates are on a weekly basis.

RENTAL EQUIPMENT	WEEK	YEAR	3 YEARS	5 YEARS	7 YEARS
CAMERAS					
8/Super 8mm Combination Reflex Camera; w/8mm standard camera movement; Super 8mm standard camera movement; automatic dissolve 16, 32, 48, 64, 96 and 128 frames; automatic magazine take-up; two 1200' 16mm magazines; 8mm reflex viewer eyepiece w/registration pins; Super 8mm reflex viewer eyepiece w/registration pins; 8mm sprocket assembly; Super 8mm sprocket assembly; special hardwood case for all camera components; ADD TO BASIC LEASE PRICE OF THE PRINTER		\$43.25	\$38.75	\$33.00	\$28.75
When leased as a separate unit	\$195.00	73.25	65.75	56.00	48.75
PROJECTORS					
Acme Projector (16mm or 35mm)	70.00	26.25	23.75	20.25	17.50
Projector Modified for 500' bi-pack (extra)	10.00	3.75	3.50	3.00	2.50
Projector Tri-pack Unit (extra)	12.00	4.50	4.00	3.50	3.00
2 Perforation/4 perforation Combination Acme Projector w/standard 35mm projector movement; 2 perforation projector movement; 35mm sprocket assemblies (upper and lower); 2 perforation sprocket assemblies (upper and lower); 1000' single strip and/or 200' bi-pack film capacity for both the 2 perf. and 35mm width films; special hardwood case for all projector components; ADD TO BASIC LEASE RATE OF THE PRINTER		20.75	18.50	15.80	13.75
When leased as a separate unit	125.00	47.00	42.25	36.05	31.25
16/35mm Combination Acme Projector; w/35mm standard projector movement; 16mm standard projector movement; 35mm sprocket assemblies (upper and lower); 16mm sprocket assemblies (upper and lower); 1000' single strip and/or 200' bi-pack film capacity for both the 16mm and 35mm width films; special hardwood case for all projector components; ADD TO BASIC LEASE RATE OF THE PRINTER		24.50	22.00	18.75	16.25
When leased as a separate unit	135.00	50.75	45.75	39.00	33.75
16/8mm Combination Acme Projector w/16mm standard projector movement; 8mm standard projector movement; 16mm sprocket assemblies (upper and lower); 8mm sprocket assemblies (upper and lower); 1000' single strip and/or 200' bi-pack film capacity for the 16mm and 8mm width films; special hardwood case for all projector components; ADD TO BASIC LEASE RATE OF THE PRINTER		27.75	25.00	21.25	18.50
When leased as a separate unit	144.00	54.00	48.75	41.50	36.00
16/Super 8mm Combination Acme Projector; w/16mm standard projector movement; Super 8mm standard projector movement; 16mm sprocket assemblies (upper and lower); Super 8mm sprocket assemblies (upper and lower); 1000' single strip and/or 200' bi-pack film capacity for the 16mm and Super 8mm width films; special hardwood case for all projector components; ADD TO BASIC LEASE RATE OF THE PRINTER		32.25	29.00	24.75	21.50
When leased as a separate unit	156.00	58.50	52.75	45.00	39.00

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Effective OCTOBER 1, 1966

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RENTAL EQUIPMENT	WEEK	YEAR	3 YEARS	5 YEARS	7 YEARS
PROJECTORS					
8/Super 8mm Combination Acme Projector; w/8mm standard projector movement; Super 8mm standard projector movement; 8mm sprocket assemblies (upper and lower); Super 8mm sprocket assemblies (upper and lower); 1000' single strip and/or 200' bi-pack film capacity for the 8mm and Super 8mm width films; special hardwood case for all projector components; ADD TO BASIC LEASE RATE OF THE PRINTER		\$35.00	\$31.50	\$26.75	\$23.25
When leased as a separate unit	\$163.00	61.25	55.25	47.00	40.75
Bell & Howell Additive Lamphouse			87.75	74.75	65.00
FILM MOVEMENTS					
35mm Standard Camera Movement: w/sound aperture (.868 x .631); sound track area inside; pins below aperture (Mitchell Registration); big pin inside for B & H perforation	20.00	7.50	6.75	5.75	5.00
35mm Standard Projector Movement: w/sound aperture (.868 x .631); sound track area outside; pins above aperture (Mitchell Registration); big pin outside for B & H perforation	20.00	7.50	6.75	5.75	5.00
35mm Modifications and Variations other than standard: Raised buttons Removable cover plate w/single buttons Removable cover plate w/raised buttons Spring loaded pressure pads Deep relief pressure plates Matte dovetail Numbering slot (inside) (camera only) Numbering slot (outside) (camera only) Other aperture sizes available Pin sizes (other than B & H) Eastman Pins DuBray-Howell Pins					
16mm Standard Camera Movement: w/aperture (.410 x .294); horizontal registration for silent film; pins below aperture; big pin inside and removable cover plate	28.00	10.50	9.50	8.00	7.00
16mm Standard Projector Movement: w/aperture (.410 x .324); horizontal registration for silent film; pins below aperture; big pin outside	24.00	9.00	8.25	7.00	6.00
16mm Modifications and Variations other than standard: Raised buttons Removable cover plate w/single flush button Removable cover plate w/raised buttons Vertical registration pins (inside) Vertical registration pins (outside)					
8mm Standard Camera Movement: horizontal registration; aperture front	32.00	12.00	10.75	9.25	8.00
Super 8mm Standard Camera Movement: Sapphire Edge Guides; aperture front; horizontal registration	44.00	16.50	15.00	12.75	11.00
OPTICAL PRINTER ACCESSORIES					
Wipe-over	16.00	6.00	5.40	4.60	4.00
Filter holder	4.00	1.50	1.35	1.15	1.00
Matte device	4.00	1.50	1.35	1.15	1.00
Optical spin device	20.00	7.50	6.75	5.75	5.00
Flip-over w/vert. & horiz. drums	11.00	4.25	3.75	3.25	2.75
Image spin device	8.00	3.00	2.75	2.25	2.00
Prism viewer (w/eyepiece)	6.00	2.25	2.00	1.75	1.50
Prism viewer (w/o eyepiece)	4.00	1.50	1.35	1.15	1.00
Radio Frequency Proximity Cue Detector		7.50	6.75	5.75	5.00

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RENTAL EQUIPMENT	WEEK	YEAR	3 YEARS	5 YEARS	7 YEARS
OPTICAL PRINTER ACCESSORIES					
Cue tab applicator		\$3.00	\$2.70	\$2.30	\$2.00
Edge notch switch (for projector)		3.00	2.75	2.25	2.00
Limit switch (for camera)		1.50	1.35	1.15	1.00
Piclear liquid gate		3.00	2.75	2.25	2.00
Forward & reverse gear box for single purpose printers	\$10.00	3.75	3.50	3.00	2.50
Flexible cable drive	4.00	1.50	1.35	1.15	1.00
Flexible accessory drive shaft	4.00	1.50	1.35	1.15	1.00
Auxiliary movement holder	4.00	1.50	1.35	1.15	1.00
Voltage stabilizer 1000 watt	4.00	1.50	1.35	1.15	1.00
Voltage stabilizer 2000 watt	6.00	2.25	2.00	1.75	1.50
FILM TAKE-UP DEVICES					
16mm, belt type, for Acme camera	4.00	1.50	1.35	1.15	1.00
16mm, auto type, for 400' series, for Acme camera	4.00	1.50	1.35	1.15	1.00
16mm, auto type, for 1200' series, for Acme camera	9.00	3.50	3.00	2.75	2.25
35mm, belt type, for Acme camera	4.00	1.50	1.35	1.15	1.00
35mm, auto type, 400' series, for Acme camera	4.00	1.50	1.35	1.15	1.00
35mm, auto type, 1000' series, for Acme camera	4.00	1.50	1.35	1.15	1.00
35mm, auto type, 1200' series, for Acme camera	9.00	3.50	3.00	2.75	2.25
35mm, Motor Bi-Pack Take-Up	10.00	3.75	3.50	3.00	2.50
All Purpose Motor Bi-Pack Take-Up	20.00	7.50	6.75	5.75	5.00
FILM MAGAZINES 16mm					
16mm, 400' belt type, latch type	4.00	1.50	1.35	1.15	1.00
16mm, 400' auto type, latch type	5.00	2.00	1.75	1.50	1.25
16mm, 1200' belt type, latch type	7.00	2.75	2.50	2.00	1.75
16mm, 1200' auto type, latch type	8.00	3.00	2.70	2.30	2.00
16mm, 1200' belt type, latch type for 200' bi-pack	8.00	3.00	2.70	2.30	2.00
FILM MAGAZINES 35mm					
35mm, 400' belt type, standard type	4.00	1.50	1.35	1.15	1.00
35mm, 400' auto type, standard type	5.00	2.00	1.75	1.50	1.25
35mm, 400' belt type, bi-pack (both halves)	10.00	3.75	3.50	3.00	2.50
35mm, 400' auto type, bi-pack (both halves)	11.00	4.25	3.75	3.25	2.75
35mm, 1000' belt type, NC type	6.00	2.25	2.00	1.75	1.50
35mm, 1000' auto type, NC type	7.00	2.75	2.50	2.00	1.75
35mm, 2000' belt type, NC type	9.00	3.50	3.00	2.50	2.25
35mm, 2000' auto type, NC type	10.00	3.75	3.50	3.00	2.50
MAGAZINE ADAPTOR PLATES					
16mm Adaptor for 35mm camera	4.00	1.50	1.35	1.15	1.00
LENSES					
Lens, 103mm, 1 to 1	18.00	6.75	6.10	5.25	4.50
Lens, 90mm, 1 to 2	13.00	5.00	4.50	3.75	3.25
Lens, 88mm	29.00	11.00	9.75	8.50	7.25
Aerial Image Lens mounted in projector	8.00	3.00	2.75	2.25	2.00
Scan-O-Scope Lens (w/2 adaptors)			16.25	14.00	12.00
Additional Scan-O-Scope adaptors			2.00	1.75	1.50
Special Scan-O-Scope adaptor CV-95			3.50	3.00	2.50
CAMERA MOTORS & ACCESSORIES					
Single speed stop motion motor	16.00	6.00	5.50	4.60	4.00
Variable speed stop motion motor	34.00	12.75	11.50	10.00	8.50
Variable speed sync. motor	19.00	7.25	6.50	5.50	4.75

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1200 GRAND CENTRAL AVENUE · GLENDALE, CALIFORNIA 91201 · 245-8424 · cable address PRODUSERV

PRODUCERS SERVICE CO. MANUFACTURERS OF THE ACME OPTICAL PRINTERS

E. B. MCGREAL

VICE PRESIDENT AND GENERAL MANAGER

October 31, 1966

Mr. T. Nelson, Sys. Cons.
Naval Ordinance Test Station
Box 1546
Poughkeepsie, New York

Dear Mr. Nelson:

There's big excitement heading our way---we're moving---to larger and better equipped facilities, and hope you will visit us in our new home at your earliest convenience.

We are excited, too, about our new High-Speed (200 feet per minute) Optical Step Reduction Printer, featuring a revolutionary idea in film transport. If you didn't see it at the recent A.C.L. meeting or at the S.M.P.T.E. convention in Los Angeles, our new brochure, enclosed, will describe it to you.

We will be looking forward to hearing from you.

Very truly yours,

EBMcG/mns

Enclosures: 1966 Brochure
Rolodex Card

P.S. The moving date is November 7.
The new address is on this letterhead.
The Rolodex card is for your files.



PRODUCERS SERVICE COMPANY

MANUFACTURERS OF THE ACME OPTICAL PRINTERS

1200 GRAND CENTRAL AVENUE • GLENDALE, CALIFORNIA 91201 • 245-8424

DIVISION OF GREYHOUND LEASING & FINANCIAL CORPORATION